

CLAIMS

Although a preferred embodiment of the present invention has been illustrated in the accompanying drawings and described in the foregoing Detailed Description, it will
5 be understood that the invention is not limited to the embodiments disclosed, but is capable of numerous rearrangements, modifications, and substitutions without departing from the spirit of the invention as set forth and defined by the following claims.

10 What is claimed is:

1. A utility pole installation system comprising:

(a) a structural frame for attachment to a front-loader;

(b) a pole attachment means;

5 (c) a rotating motor means coupled to said pole attachment means and connected to said structural frame;

(d) an articulating piston means attached to said rotating motor means and said structural frame
10 permitting said pole attachment means to be moved to the front or rear of said uni-loader;

wherein

said rotating motor means and said articulating piston means permits said pole attachment means to be
15 moved with several degrees of freedom to permit placement of a utility pole in space constrained environments.

2. The utility pole installation system of Claim 1 further comprising a lifting hook means connected to said structural frame used to lift and position heavy objects.
- 5 3. The utility pole installation system of Claim 1 further comprising a lifting hook means connected to said structural frame used to position a rotating motor means used to rotate drill bits for the purpose of drilling an earthen hole for placement of said utility
10 pole.
4. The utility pole installation system of Claim 1 further comprising a storage axle connected to said structural frame used to store a pulley winch.
5. The utility pole installation system of Claim 1 further
15 comprising a pulley winch used to position transformers on said utility pole.
6. The utility pole installation system of Claim 1 wherein said front-loader is a uni-loader.
7. The utility pole installation system of Claim 1 wherein
20 said rotating motor means is a hydraulic motor.
8. The utility pole installation system of Claim 1 wherein said rotating motor means is an electric motor.

9. The utility pole installation system of Claim 1 wherein
said pole attachment means is detachable from said
rotating motor means, permitting said rotating motor
means to rotate a drill bit for boring utility pole
5 holes in the earth.

10. The utility pole installation system of Claim 1 wherein
said pole attachment means is detachable from said
rotating motor means, permitting said rotating motor
means to rotate and place earthen screw anchors to
10 stabilize utility poles after placement of said utility
pole.

11. A utility pole installation method comprising:

(1) drilling an earthen hole for a utility pole utilizing a drill bit rotated by a rotating motor means connected to a structural frame attached to a front-loader;

(2) attaching said utility pole to a pole attachment means positioned by a rotating motor means connected to a structural frame attached to a front-loader;

(3) positioning said pole attachment means with a rotating motor means and a piston articulation means connected to a structural frame attached to a front-loader;

(4) placement of said utility pole in said earthen hole using said positioning;

(5) installation of transformer equipment on said utility pole using said rotating motor means rotating a pulley winch; and

(6) optional installation of guy wires and/or earthen anchors using a rotating motor means to secure screw anchors into the earth.

12. The utility pole installation method of Claim 11 wherein a lifting hook means connected to said structural frame is used to lift and position said transformer.

5 13. The utility pole installation method of Claim 11 wherein a lifting hook means connected to said structural frame is used to position a rotating motor means used to rotate drill bits for the purpose of drilling an earthen hole for placement of said utility
10 pole.

14. The utility pole installation method of Claim 11 wherein a storage axle connected to said structural frame is used to store a pulley winch.

15. The utility pole installation method of Claim 11
15 wherein a pulley winch is used to position transformers on said utility pole.

16. The utility pole installation method of Claim 11 wherein said front-loader is a uni-loader.

17. The utility pole installation method of Claim 11
20 wherein said rotating motor means is a hydraulic motor.

18. The utility pole installation method of Claim 11 wherein said rotating motor means is an electric motor.

19. The utility pole installation method of Claim 11
wherein said pole attachment means is detachable from
said rotating motor means, permitting said rotating
motor means to rotate a drill bit for boring utility
5 pole holes in the earth.

20. The utility pole installation method of Claim 11
wherein said pole attachment means is detachable from
said rotating motor means, permitting said rotating
motor means to rotate and place earthen screw anchors
10 to stabilize utility poles after placement of said
utility pole.